

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-23. (Cancelled).

24. (New) A heat pump comprising:

a refrigerant loop including a refrigerant evaporator, the refrigerant evaporator being a combined fluid-air evaporator, including at least two duct systems, at least one of the two duct systems having a free surface to which lamellar plane elements are attached, which come into thermal contact with a directed air flow, the at least two duct systems are at least partially in thermal contact with one another, and

a refrigerant is conducted through one duct system and an exothermic fluid is conducted through the other duct system, and

the refrigerant comes into thermal contact both with the exothermic fluid and also, using the lamellar plane elements attached to the free surface, with the directed air flow.

25. (New) The heat pump according to claim 24,

wherein the at least two duct systems comprise a first pipeline having a first pipe internal diameter d_1 ; and

~~a second pipeline, having a second pipe internal diameter d_2 , with $d_2 < d_1$,~~

which runs internally in the first pipeline, the first duct system being delimited by the

second pipeline and the second duct system being delimited by the first and second pipeline, and the first pipeline having a free pipe outside.

26. (New) The heat pump according to claim 25,
wherein the lamellar plane elements are attached to the pipe outside of the first pipeline.

27. (New) The heat pump according to claim 24,
wherein the at least two duct systems comprise a shared pipeline, the shared pipeline having a pipe surface, and
the shared pipeline comprising at least one internal partition wall, which divides a volume enclosed by the shared pipeline into at least two separate pipeline longitudinal parts and via which the at least two pipeline longitudinal parts are in thermal contact with one another.

28. (New) The heat pump according to claim 27,
wherein the lamellar plane elements are attached to the pipe surface and/or are in thermal contact therewith.

29. (New) The heat pump according to claim 25,
wherein the exothermic fluid is conducted through the first duct system and the refrigerant is conducted through the second duct system.

30. (New) A ventilation arrangement for a building having heat absorption, comprising; a used air flow duct (UAF) directed out of the building;

an outside air flow duct (OAF) which comes into thermal contact with the used air flow duct (UAF) via an air-air heat exchanger (AAH);

the refrigerant evaporator of the heat pump of claim 24 in thermal contact with the used air flow duct (UAF), and the free surface of the at least one of the two duct systems being in thermal contact with the directed air flow and the exothermic fluid circulating in the loop of a heat accumulator system.

31. (New) The ventilation arrangement according to claim 30, wherein the heat pump includes a condenser, which is connected downstream from the air-air heat exchanger (AAH) in a flow direction in the heated outside air flow duct (OAF), and

an intake air flow duct (IAF), which is directed into the building, placed downstream in the flow direction from the condenser.

32. (New) The ventilation arrangement according to claim 30, comprising a first valve unit (A), through which the circulation of the fluid through the heat accumulator system may be regulated, provided in the loop of the heat accumulator system.

33. (New) The ventilation arrangement according to claim 30, wherein a fluid-air heat exchanger, which may be permeated by the fluid circulating in the loop of the heat accumulator system, is provided in the outside air flow duct (OAF) in the flow direction before the air-air heat exchanger (AAH).

34. (New) The ventilation arrangement according to claim 33, comprising a second valve unit (B), through which the inflow of the fluid to the fluid-air heat exchanger may be regulated, is provided in the loop of the heat accumulator system.

35. (New) The ventilation arrangement according to claim 31, comprising an industrial water accumulator, which is thermally coupled to the heat pump, provided in parallel or in series to the condenser.

36. (New) The ventilation arrangement according to claim 30, wherein the heat accumulator system includes at least one of a geothermal collector, an aerothermal collector, and a hydrothermal collector.

37. (New) The ventilation arrangement according to claim 33, comprising a solar collector, which is permeated by a collector flow that may be connected to at least one of the fluid-air heat exchanger and the combined fluid-air evaporator alternatively or in combination with the fluid circulating in the loop of the heat accumulator system.

38. (New) The ventilation arrangement according to claim 30, comprising a third valve unit (C), through which the inflow of the combined fluid-air evaporator may be regulated, is provided in the loop of the heat accumulator system.

39. (New) The ventilation arrangement according to claim 32, wherein the first valve unit is a three-way valve.

40. (New) The ventilation arrangement according to claim 32, comprising a flow deflection unit provided in the flow direction of the combined fluid-air evaporator, which may be switched into at least two positions, a first position in which an entire used air flow permeates the combined fluid-air evaporator, and a second position, in which the entire used air flow is conducted past the combined fluid-air evaporator through a bypass channel as an exhaust air flow (EAF)

41. (New) The ventilation arrangement according to claim 30, comprising a flow deflection unit provided upstream in the flow direction from the combined fluid-air evaporator, which conducts a used air flow in a variably adjustable or a fixed predefined quantity ratio through the combined fluid-air evaporator and/or through a bypass channel past the combined fluid-air evaporator.

42. (New) The ventilation arrangement according to claim 32, wherein the flow deflection unit is implemented as a flow flap.

43. (New) The ventilation arrangement according to claim 32,
wherein the flow deflection unit is implemented as a valve.

44. (New) The ventilation arrangement according to claim 30,
wherein the heat pump provides an expanded refrigerant loop, which is
thermally coupled to the fluid-air heat exchanger.